



## SEQUENCE LISTING

<110> KIMURA, Toru  
KIKUCHI, Kaoru

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<140> US 09/284,180

<141> 1999-06-09

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<170> PatentIn Ver. 2.0

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<223> Coding region

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<223> strandedness: double

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<400> 3

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<213> Homo sapiens

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<223> Coding region

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<223> strandedness: double

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<213> Homo sapiens

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Glu	Asn	Met	Lys	Leu	Tyr	His	Ser	Trp	Leu	Leu	Val	Gly	Ser	Arg	Thr	
305					310					315					320	
Glu	Val	Thr	Gln	Val	Asn	Thr	Thr	Asn	Cys	Gly	Arg	Leu	Gln	Ser	Cys	
				325					330					335		
Ser	Glu	Cys	Ile	Leu	Ala	Gln	Asp	Pro	Val	Cys	Ala	Trp	Ser	Phe	Arg	
			340					345					350			
Leu	Asp	Glu	Cys	Val	Ala	His	Ala	Gly	Glu	His	Arg	Gly	Leu	Val	Gln	
			355				360					365				
Asp	Ile	Glu	Ser	Ala	Asp	Val	Ser	Ser	Leu	Cys	Pro	Lys	Glu	Pro	Gly	
			370			375					380					
Glu	Arg	Pro	Val	Val	Phe	Glu	Val	Pro	Val	Ala	Thr	Ala	Ala	His	Val	
385					390					395					400	
Val	Leu	Pro	Cys	Ser	Pro	Ser	Ser	Ala	Trp	Ala	Ser	Cys	Val	Trp	His	
				405				410						415		
Gln	Pro	Ser	Gly	Val	Thr	Ala	Leu	Thr	Pro	Arg	Arg	Asp	Gly	Leu	Glu	
			420					425					430			
Val	Val	Val	Thr	Pro	Gly	Ala	Met	Gly	Ala	Tyr	Ala	Cys	Glu	Cys	Gln	
			435				440					445				
Glu	Gly	Gly	Ala	Ala	His	Val	Val	Ala	Ala	Tyr	Ser	Leu	Val	Trp	Gly	
			450			455					460					
Ser	Gln	Arg	Asp	Ala	Pro	Ser	Arg	Ala	His	Thr	Val	Gly	Ala	Gly	Leu	
465					470					475					480	
Ala	Gly	Phe	Phe	Leu	Gly	Ile	Leu	Ala	Ala	Ser	Leu	Thr	Leu	Ile	Leu	
				485				490						495		
Ile	Gly	Arg	Arg	Gln	Gln	Arg	Arg	Arg	Gln	Arg	Glu	Leu	Leu	Ala	Arg	
				500				505					510			
Asp	Lys	Val	Gly	Leu	Asp	Leu	Gly	Ala	Pro	Pro	Ser	Gly	Thr	Thr	Ser	
			515				520					525				
Tyr	Ser	Gln	Asp	Pro	Pro	Ser	Pro	Ser	Pro	Glu	Asp	Glu	Arg	Leu	Pro	
			530			535					540					
Leu	Ala	Leu	Ala	Lys	Arg	Gly	Ser	Gly	Phe	Gly	Gly	Phe	Ser	Pro	Pro	



545                      550                      555                      560  
 Phe Leu Leu Asp Pro Cys Pro Ser Pro Ala His Ile Arg Leu Thr Gly  
                     565                      570                      575  
 Ala Pro Leu Ala Thr Cys Asp Glu Thr Ser Ile  
                     580                      585

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 <211> 196  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(196)  
 <223> Coding region

<220>  
 <221> misc\_feature  
 <222> (1)..(196)  
 <223> strandedness: double

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 accaactgtg gccgtctcca gagctgctca gagtgcattc tggcccagga cccagtctgt 120  
 gcctggagct tccggctgga tgagtgtgtg gcccatgccg gggagcaccg agggttggtc 180  
 caagacatag agtcag 196

<210> 8  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer used to obtain the sequence encoding the intracellular domain of Semaphorin W

<400> 8  
 gataaggatc cgggtcgccg tcagcagcgt 30

<210> 9  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Anti-sense PCR primer sequence used to obtain the sequence encoding the intracellular domain of Semaphorin W

<400> 9  
 ggctggaatt cattttcccc ggcttta 27

<210> 10  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(333)  
<223> Coding region

<220>  
<221> misc\_feature  
<222> (1)..(333)  
<223> strandedness: double

<400> 10  
ccccggccgg gtccccgggca gcctacagcc tcgcccttcc cgctactgct gctggcggtg 60  
ctgagcggcc cggatatccg cgcggtcccc cgctcgggtgc ccagaacctc gcttccaatc 120  
tctgaggctg acttctgtct caccggttc gcagtcctc acacatacaa ttactctgtt 180  
ctccttggtg atcctgcctc ccacacactt tatgttggtg cccgggacac catcttcgct 240  
ttatccctgc ctttctcagg ggagagaccc cgcaggattg actggatggt tcctgaggct 300  
cacagacaga actgtaggaa gaaaggcaag aaa 333

<210> 11  
<211> 111  
<212> PRT  
<213> Homo sapiens

<400> 11  
Pro Arg Pro Gly Pro Gly Gln Pro Thr Ala Ser Pro Phe Pro Leu Leu  
1 5 10 15  
Leu Leu Ala Val Leu Ser Gly Pro Val Ser Gly Arg Val Pro Arg Ser  
20 25 30  
Val Pro Arg Thr Ser Leu Pro Ile Ser Glu Ala Asp Phe Cys Leu Thr  
35 40 45  
Arg Phe Ala Val Pro His Thr Tyr Asn Tyr Ser Val Leu Leu Val Asp  
50 55 60  
Pro Ala Ser His Thr Leu Tyr Val Gly Ala Arg Asp Thr Ile Phe Ala  
65 70 75 80  
Leu Ser Leu Pro Phe Ser Gly Glu Arg Pro Arg Arg Ile Asp Trp Met  
85 90 95  
Val Pro Glu Ala His Arg Gln Asn Cys Arg Lys Lys Gly Lys Lys  
100 105 110

<210> 12  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 12  
Gln Asp Pro Val Cys Ala Trp  
1 5

<210> 13  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature

<222> (1)..(1)  
<223> Xaa = Gln or Arg

<220>  
<221> misc\_feature  
<222> (6)..(6)  
<223> Xaa = Ala or Gly

<400> 13  
Xaa Asp Pro Tyr Cys Xaa Trp  
1 5

<210> 14  
<211> 14  
<212> PRT  
<213> Unknown

<220>  
<223> Description of Unknown Organism: Myc tag

<400> 14  
Asp Ile Gly Gly Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu  
1 5 10

<210> 15  
<211> 517  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(517)  
<223> sequence of GenBank Accession No: R54387

<220>  
<221> misc\_feature  
<222> (1)..(517)  
<223> any n is a, g, c, t, unknown, or other

<400> 15  
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acagaggact gcctgtcgtg gacaatgatg tgccccagcc cagacctgga gagtgcatca 120  
ccaacaacat gaagctccgg cactttggct catctctctc cctgcctgac cgcgtactca 180  
ccttcattccg ggancaccca ctcatggaca ggccagtntt tccagctgat ggccaccccc 240  
tgntgggtcac tacagataca gnctatctca gagtcgtggc ccacaggggtg accagcctct 300  
cagggaaaga gtatgatgtg ctctacctgg gggacagagg atgggacaac ttcaccgagc 360  
agtgcggatt cggagctcag ttcagcgttt ctttgaagat cttgggctta tttncagag 420  
tcacagnacag tttnaggaac ntgaaatttg ttacccacag ttnggttcng gggttggttt 480  
ccgttatttt agggtnacac aagtggatta caaccca 517

<210> 16  
<211> 364  
<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(364)

<223> sequence of GenBank Accession No: T09073

<220>

<221> misc\_feature

<222> (1)..(364)

<223> any n is a, g, c, t, unknown, or other

<400> 16

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acnaactgtg	gccgtctcca	gagctgctca	gagtgcattc	tggtccagga	cccagtttgt	120
gcctggagct	tccggctgga	tgagtgtgtg	gcccattgcc	gggagcaccg	agggttggtc	180
caagacatag	agtcagcaga	tgtctcctct	ttgtgtccta	aagagcctgg	agaacgtcca	240
gtagtgtttg	aagttcccgt	ggctacagnt	gcgcattgtg	tcttnccatg	ttctccaagc	300
tcagcatggg	catcctgtgt	gtggcaccag	cccagtgagg	ttacttcact	taccccccg	360
cggg						364